



# EDITOR I

HIGH SPEED EDITING OF DATA ON PERFORATED TAPE



**EDITOR I** IS A SMALL, FAST, PERFORATED TAPE PROCESSOR THAT LETS YOU CREATE OR EDIT DATA WITH THE SPEED AND EASE OF AN ON-LINE COMPUTER, AT A COST THAT OBSOLETE'S MANUAL EDITING ON TAPE-TYPEWRITERS.

## THE PROBLEM:

### *The High Cost of Producing Error-Free Tape*

The primary problem in using perforated tape is the high cost of correcting errors in the data. First draft data tapes are usually imperfect and may contain:

- keying errors of operators
- punching errors of tape-typewriters and perforators
- transmittal errors of communications equipment
- source errors of writers, programmers, and originators
- incomplete data requiring additions or updating

## THE CAUSES:

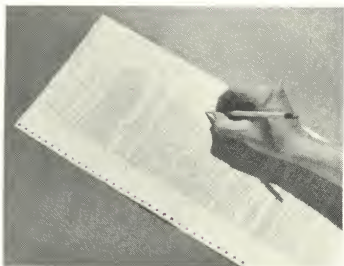
The high cost of correcting errors is caused by inadequate equipment and methods which make accurate editing of perforated tape extremely slow and difficult. Using conventional methods, the cost of preparing an accurate data tape often exceeds the cost of its subsequent processing.

## PRIOR TO EDITOR 1 A TAPE USER HAD THREE UNSATISFACTORY ALTERNATIVES:

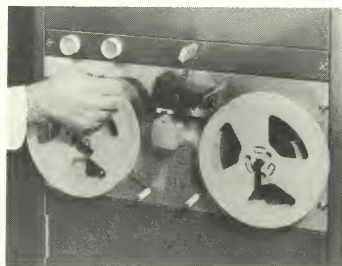
- **RE-KEYING:** This loses all the advantages of having data in machine form, and simply doubles the cost and preparation time. If the second keying is not perfect, additional correction costs will be incurred.
- **EDITING ON A TAPE-TYPEWRITER:** These machines are fundamentally data preparation devices. They are very slow and extremely difficult to use for tape editing. It is hard to locate data items on tape, and starting and stopping at desired locations is very uncertain. The operator is often required to advance or reverse the tape manually while maintaining an accurate count of sprocket clicks. The reader, punch, and keyboard controls must be individually coordinated for each minor editing function. These difficult procedures often result in the introduction of additional errors during editing. If many errors exist in the data, complete rekeying is required.
- **EDITING ON A COMPUTER:** This method can be fast and accurate; however, it entails excessive cost. If on-line editing is performed, as sometimes is done in correcting computer programs, the entire capability of a powerful computer is spent waiting for the programmer to manually insert corrections. If output is required in perforated tape, the high cost rental pays for low speed perforation. When data is needed quickly, the user must queue up until his editing task fits into the computer schedule.



# NOW USE **EDITOR I**



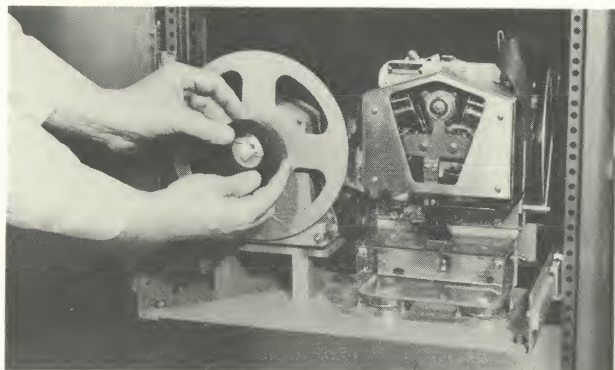
PROOFREAD THE LISTING OF YOUR FIRST-DRAFT DATA TAPE AND NOTE THE NECESSARY CHANGES.



PLACE THE FIRST-DRAFT TAPE IN THE HIGH SPEED READER.



DIRECT THE EDITING PROCESS FROM THE EDITING CONSOLE. SELECT APPROPRIATE COMMANDS BY PUSH-BUTTON, SUCH AS "COPY 9 LINES" OR "DELETE 5 WORDS". INSERT NEW DATA, AS NEEDED, BY TYPEWRITER KEYBOARD.



REMOVE OUTPUT TAPE FROM HI-SPEED PUNCH. YOUR DATA IS NOW READY FOR IMMEDIATE, TROUBLE-FREE USE.



**EDITOR 1 GIVES AN OPERATOR TOTAL CONTROL OVER THE EDITING PROCESS IN DIRECT AND NATURAL EDITORIAL TERMS.**

A small, easy-to-use, pushbutton console permits the selection of simple editing commands such as: "Copy 3 Paragraphs", "Delete 1 Sentence", or "Insert".

These commands are automatically executed and a clean data tape is produced faster, easier, and at lower cost, than is possible by any other means.

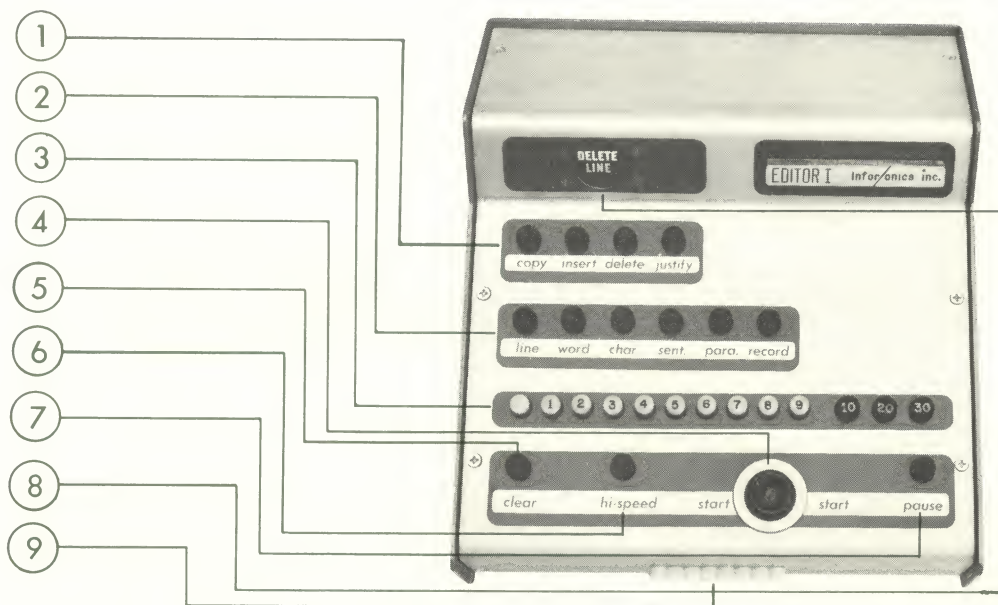
Among the features that contribute to the efficiency of **EDITOR 1** are:

- *High-speed processing* at a line per second (500 words per minute).
- *Natural control* by simple editing commands: "Copy", "Delete", "Insert", and "Justify".
- *Direct Selection* of text elements to be processed: "Characters", "Words", "Lines", "Sentences", "Paragraphs", or "Records" may be chosen.
- *Automatic data location*: data is processed accurately and swiftly up to a point pre-selected by the operator.
- *Proofreadable printout* of editing process at operator's option.
- *Error prevention* during typing via two-character buffer memory and erasing feature.
- *Error prevention* during automatic processing via continuous error-checking and 'error-halt before punch' feature.

**APPLICATIONS.**

- |                          |                              |
|--------------------------|------------------------------|
| • <i>Computer Entry</i>  | • <i>Program Preparation</i> |
| • <i>Text Processing</i> | • <i>Data Acquisition</i>    |
| • <i>Communications</i>  | • <i>Numerical Control</i>   |
| • <i>Publishing</i>      | • <i>Weather Data</i>        |
| • <i>Documentation</i>   | • <i>Report Preparation</i>  |
| • <i>Catalog Cards</i>   | • <i>Retrieval Files</i>     |
| • <i>Accounting</i>      | • <i>Multiple Copying</i>    |
| • <i>Mailing Lists</i>   | • <i>Parts Lists</i>         |





## EDITOR I CONSOLE AND OPERATION

### 1. Function Selection Buttons:

COPY causes repunching of correct portions of the input tape.

INSERT causes punching of data entered at the typewriter keyboard.

DELETE causes incorrect portions of the input tape to be skipped.

JUSTIFY causes reformatting of text data to provide aligned right-hand margins. The operator inserts only line-end information, and hyphen breaks where necessary. Tape users not concerned with text composition may omit this feature.

### 2. Text Segment Selection Buttons:

CHARACTER, WORD, LINE, SENTENCE, PARAGRAPH, and RECORD

These define the natural text segments that will be counted and processed as units. Special segments may be defined for particular applications.

### 3. Numeric Selection Buttons:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 20, 30

These select the number of text segments that will be processed when the start button is depressed.

4. START causes the instruction selected by the pushbuttons to be executed. Depressing START repetitively causes the instruction to be repeated.

5. CLEAR resets the entire machine and erases any data in the 2-character buffer memory.

6. HIGH-SPEED causes processing to occur at 500 words per minute. When this control is off, processing occurs at slower keyboard speeds and printout is obtained.

7. PAUSE causes processing to stop until a "resume" signal is given via the same button.

8. An illuminated readout displays the current editorial command.

9. An illuminated display of tape codes provides fast identification of parity errors in the input tape, and avoids manual handling of tape when scanning.

No  
Postage Stamp  
Necessary  
if Mailed in the  
United States

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 47

MAYNARD, MASSACHUSETTS

POSTAGE WILL BE PAID BY

INFOR/ONICS, INC.  
146 MAIN STREET  
MAYNARD, MASS. 01754

WHEREVER PERFORATED TAPE IS USED

EDITOR I SAVES MAN-HOURS...COMPUTER HOURS...DOLLARS

NAME:  
ADDRESS:

KEEP ME ON YOUR MAILING LIST AND SEND  
APPLICATION NOTES. ☐

I HAVE A POSSIBLE APPLICATION AND WOULD  
LIKE TO DISCUSS IT. PLEASE TELEPHONE. ☐

## DATA EDITING APPLICATIONS

INFORMATION RETRIEVAL	<input type="checkbox"/>
BILLING AND ACCOUNTING	<input type="checkbox"/>
TYPESETTING	
OPERATOR JUSTIFICATION	<input type="checkbox"/>
COMPUTER JUSTIFICATION	<input type="checkbox"/>
COMPUTER PROGRAM PREPARATION	<input type="checkbox"/>
INSTRUMENTATION DATA	<input type="checkbox"/>
AUTOMATIC MACHINE CONTROL	<input type="checkbox"/>
COMMUNICATIONS	
TEXTUAL	<input type="checkbox"/>
NUMERICAL	<input type="checkbox"/>
OTHER _____	<input type="checkbox"/>

## PERFORATED TAPE EQUIPMENT USED

	Type of Units	Number of Units
TAPE TYPEWRITERS	_____	_____
COMPUTERS	_____	_____
TYPESETTING PERFORATORS	_____	_____
INSTRUMENTATION RECORDERS	_____	_____
MACHINE TOOL CONTROL	_____	_____
OTHER	_____	_____
	_____	_____
	_____	_____
	_____	_____

COMMENTS, QUESTIONS

**Inforonics inc.**



TEL. 617-897-8815

An Announcement to Users of Perforated Tape:

"Wherever Perforated Tape is Used,  
EDITOR I Saves MAN-HOURS...COMPUTER-HOURS...DOLLARS"

The enclosed brochure will tell you how EDITOR I brings savings and simplicity to perforated tape usage. We believe that you will find the material informative, and we hope that you will consider the advantages that automated editing could bring to your organization.

Used in the computer room, as an alternative to on-line computer editing, EDITOR I can often save its cost in the first 100 hours of use, and free your computer for other processing.

Used as a supplement to your tape-typewriter operations, EDITOR I can reduce tape-editing time by a factor of 10 or more. Clean tapes will be ready faster, and at less cost.

Anyone can use EDITOR I after 5 minutes of instruction. No specialists are needed; an operator simply pushes buttons corresponding to direct English commands like "Copy 10 Lines," "Delete 3 Words," or "Insert." EDITOR I does the rest - swiftly, accurately, and automatically.

If you would like to receive continued news of advances in the preparation and editing of perforated tape, and EDITOR I applications notes, kindly send back the enclosed postcard. If you require additional information or would like to discuss a possible application, please contact me directly. We would welcome the opportunity to be of service.

Yours truly

INFORONICS INC.

A handwritten signature in dark ink, appearing to read "William R. Nugent", is written over the typed name.

William R. Nugent  
Vice President

jmm



## SPECIFICATIONS

**EDITOR 1** is compatible with any input-output keyboard or tape-typewriter chosen by the user. It will accept and produce 5, 6, 7, or 8 channel tape up to 1 inch wide, in any tape code.

Cabinet Size: 51"h., 21½"w., 25½"d.

Weight: 250 pounds

Power: 117 volts ac, 60 cycle, 5½ amps

Speed: 50 characters per second (500 words per minute)

Construction: modular, using high-reliability electromechanical components and all-silicon semiconductors

Prices, less keyboard, begin at \$9950 (Utility Model)  
FOB Maynard, Mass.

Delivery is normally 10 weeks.

**EDITOR 1** fits into most applications "off-the-shelf"; just tell us what keyboard you use, your tape width, and tape codes.

**PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.**

**OPTIONS** — compatibility with your special requirements is assured through a wide choice of options supplementing the basic machine. These include:

- Recognition of special text segments, codes, or delimiters
- Odd or even parity checking
- Forward-backward reading
- Reel or fanfold tape handling
- Special justification systems
- Advance feed-hole tape
- Data display
- Additional buffer memory
- Console and keyboard table
- Checksum calculation



146 MAIN ST. MAYNARD, MASSACHUSETTS P.O. BOX 207

We would be pleased to tell you how **EDITOR 1** might be used to solve *your* problems of perforated tape. Write for our current file of applications notes, detailed specifications, and price lists.